

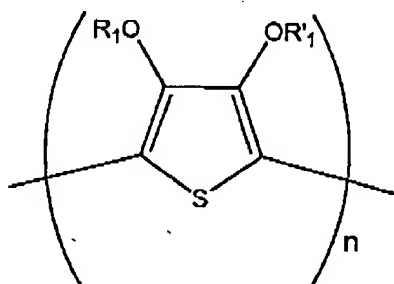
Application No.: 10/669,494

Docket No.: PE0688USNA

Listing of Claims

1. (Previously Presented) A buffer composition comprising an aqueous dispersion of a polydioxothiophene and at least one colloid-forming polymeric acid wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.

2. (Previously Presented) A buffer composition according to Claim 1, wherein said polydioxothiophene has the structure:



wherein:

R_1 and R_1' are each independently selected from hydrogen and alkyl having 1 to 4 carbon atoms,

or R_1 and R_1' taken together form an alkylene chain having 1 to 4 carbon atoms, which may optionally be substituted by alkyl or aromatic groups having 1 to 12 carbon atoms, or a 1,2-cyclohexylene radical, and

n is greater than about 6.

3. (Previously Presented) A buffer composition according to Claim 2, wherein R_1 and R_1' together form an alkylene chain having 1 to 4 carbon atoms.

4. (Previously Presented) A buffer composition according to Claim 3, wherein said polydioxothiophene comprises poly(3,4-ethylenedioxythiophene).

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Previously Presented) A buffer composition according to Claim 1, wherein said polymeric sulfonic acid is perfluorinated.

9. (Previously Presented) A buffer composition according to Claim 1, wherein said polymeric sulfonic acid is a perfluoroalkylenesulfonic acid.

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10. (Previously Presented) A buffer composition according to Claim 9, wherein said polymeric sulfonic acid is perfluoroethylenesulfonic acid.

11. (Canceled)
12. (Canceled)
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43. (Canceled)

44. (Canceled)

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46. (Canceled)

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48. (Canceled)

49. (Canceled)

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Canceled)

54. (Previously Presented) A buffer composition comprising an aqueous dispersion of a polythiophene and at least one colloid-forming polymeric acid, wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.

55. (Canceled)

56. (Canceled)

57. (Canceled)

58. (Previously Presented) A buffer composition according to Claim 1, wherein the composition has a pH greater than about 3.

59. (Previously Presented) A buffer composition comprising a dispersion of a polydioxothiophene and at least one colloid-forming polymeric acid in water, wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.

60. (New) A buffer composition comprising an aqueous dispersion of a polydioxothiophene, at least one colloid-forming polymeric acid, and an additional material selected from the group consisting of polymers, dyes, carbon nanotubes, metal nanowires, coating aids, organic and inorganic conductive inks and pastes, charge transport materials, crosslinking agents, and combinations thereof, wherein said colloid-forming polymeric acid is a fluorinated polymeric sulfonic acid.